

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A sprayer purifier cartridge system comprising:

a sprayer for spraying water, wherein said sprayer has a receiving structure for said purifier cartridge; and a

a purifier cartridge containing a substance for purifying water, said cartridge being attachable to the receiving structure of said sprayer,

wherein one of said sprayer and said purifier cartridge comprises a structure having an outer surface with at least one opening therein, which opening is at least partially surrounded by an integral portion of said structure that has flexibility, wherein said portion of said structure extends toward the center of said opening, and extends inwardly at an angle in a direction opposite to said outer surface, and said portion is thinner and more flexible than the portions of the structure that are disposed outwardly thereof, and the other of said sprayer and said purifier cartridge comprises at least one hollow protrusion that fits into said at least one opening to permit the water to flow in at least one direction between said sprayer and purifier cartridge, wherein said cartridge is attachable to said sprayer and said portion of said structure forms a seal between said cartridge and said sprayer, and

and wherein said purifier cartridge comprises said structure having an outer surface with at least one opening therein, and said cartridge is disposable so that said portion of said structure that forms a seal between said cartridge and said sprayer is provided by the cartridge each time a new cartridge is inserted into said sprayer.

2. (Cancelled)

3. (Original) The sprayer purifier cartridge system of Claim 1 wherein said sprayer comprises a housing, and said housing has a recess for insertion of at least a portion of said purifier cartridge.

4. (Cancelled)
5. (Original) The sprayer purifier cartridge system of Claim 1 wherein said cartridge has two ends comprising a first end and a second end, an inlet and an outlet, and said inlet and outlet are located on the same end of said cartridge.
6. (Original) The sprayer purifier cartridge system of Claim 1 wherein said substance for purifying water comprises at least one ion exchange resin.
7. (Original) The sprayer purifier cartridge system of Claim 1 wherein said cartridge comprises two side-by-side compartments.
8. (Original) The sprayer purifier cartridge system of Claim 1 wherein said side-by-side compartments have a cylindrical configuration and an opening therebetween for transmitting water between said compartments.
9. (Currently Amended) The sprayer purifier cartridge system of Claim 1 wherein said cartridge has a configuration that is capable of insertion into said receiving structure in more than one orientation, and said cartridge further comprises an insertion aid that is distinct from said at least one hollow protrusion, and said insertion aid is asymmetrically disposed on said cartridge and configured to allow insertion of said cartridge into said receiving structure in only one orientation.
10. (Previously Presented) The sprayer purifier cartridge system of Claim 9 wherein said insertion aid comprises a hole in said cartridge that mates with a pin on said sprayer.
11. (Original) The sprayer purifier cartridge system of Claim 5 wherein said inlet and said outlet comprise circular openings that have a diameter of about 5/16 inch.
12. (Original) The sprayer purifier cartridge system of Claim 11 wherein the centers of said inlet and said outlet openings are spaced about 1.5 inches apart.
13. (Original) The sprayer purifier cartridge system of Claim 1 wherein said receiving structure for said purifier cartridge comprises a structure with said at least one hollow protrusion, and said at least one hollow protrusion comprises a pair of spaced apart hollow posts.
14. (Previously Presented) The sprayer purifier cartridge system of Claim 13 wherein

~~said purifier cartridge comprises a structure with said at least one opening in the structure of said purifier cartridge, and said at least one opening comprises a pair of spaced apart openings that fit over said hollow posts, wherein the flexible material that at least partially surrounds said openings forms a leak-proof seal with said hollow posts.~~

15. (Previously Presented) A sprayer purifier cartridge system comprising:

a sprayer for spraying water, wherein said sprayer has a recess for insertion of at least a portion of a purifier cartridge and a receiving structure for said purifier cartridge; and a

a purifier cartridge containing a substance for purifying water, said cartridge having two ends comprising a first end and a second end, an inlet and an outlet, and said inlet and outlet are located on the same end of said cartridge, said cartridge being attachable to the receiving structure of said sprayer,

wherein said purifier cartridge comprises a structure having an outer surface with at least one opening therein, which opening is at least partially surrounded by an integral portion of said structure that has flexibility, wherein said portion of said structure extends toward the center of said opening, and extends inwardly at an angle in a direction opposite to said outer surface, and said portion is thinner and more flexible than the portions of the structure that are disposed outwardly thereof, and said sprayer comprises at least one hollow protrusion that fits into said at least one opening to permit the water to flow in at least one direction between said sprayer and purifier cartridge, wherein said cartridge is attachable to said sprayer and said portion of said structure forms a seal between said cartridge and said sprayer.

16. (Previously Presented) The sprayer purifier cartridge system of Claim 1 wherein said seal between said cartridge and said sprayer is formed without adding a separate gasket to said sprayer purifier cartridge system.